# IIM Backend Architecture



1. IIM Server is a LAMP based solution, there are below major modules
   1. IIM Web – web site for user perform normal operation, such as registration, upgrade account
   2. IIM Service – a set of RESTFul API consumed by IIM App
   3. Daemon Process – a Java process to fetch email from Google App and store files to box.com storage
2. Connection 1 – Java daemon process access Google App Mail through POP3
3. Connection 2 – User access IIM Web through HTTP/HTTPS
4. Connection 3 – IIM App consume APIs of IIM Service through HTTP/HTTPS
5. Connection 4 – All modules may access box.com through box.com API

# IIM Solution Modules



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| --- | --- | --- | --- |
|  | Java Mail Class | Box.net API | MySQL Access |
| IIM Service | n/a | 1. get user profile of box.net 2. redirect to box.net login page | 1. get Notes data 2. verify login 3. registration |
| IIM Web | n/a | 1. create box.net account 2. get necessary information about box.net account | 1. Create IIM user 2. Update IIM user profile 3. Payment process 4. Upgrade process |
| Java Process | Access Google Mail through POP3 | 1. Send email attachment to box.net | 1. Write the log |